

HYS-38CIP sequence listing
SEQUENCE LISTING

<110> Dederer, Douglas

Yamazaki, Victoria

Asundi, Vinod

Liu, Chenghua

Tang, Y. Tom

Drmanac, Radoje T.

<120> Methods of Therapy and Diagnosis Using Insulin-like Growth Factor Binding Protein-like Polypeptides and Polynucleotides

<130> HYS-38CIP

<140> Not Yet Assigned

<141> 2002-02-27

<150> 09/784,748

<151> 2001-02-14

<150> 09/649,167

<151> 2000-08-23

<150> 09/540,217

<151> 2000-03-31

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 375

HYS-38CIP sequence listing

<212> DNA

<213> Homo sapiens

<400> 1

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gcgacggccc ttgcgagttc gtcctgtggt tcgtcggtcc tccccgaagt gttcacaacg      120
tcaccggggc gcaggtgggc ctgtcctgtg aagtgagggc tgtgcctacc ccagtcatca      180
cgtggagaaa ggtcacgaag tcccctgagg gcaccaagc actggaggag ctgcctgggg      240
accatgtcaa tatagctgtc caagtgcgag ggggcccttc tgaccatgag gccacggcct      300
ggattttgat caacccctg cgaaaggagg atgagggtgt gtaccagtgc catgcagcca      360
acatggtggg agagg                                           375
  
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<210> 2

<211> 473

<212> DNA

<213> Homo sapiens

<400> 2

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atgttctaag tcattttcag tattttacac ccatgttacg agatatttga ggtggcttat      180
aagacctgta gaaaaaagaa gaaaaatacg taaatggagg aaaccaggga aagagcaaaa      240
gaagagtagg gacatactta gatgagcagt agaatccctg gtatattctg cacacatctc      300
cctctgagct tcttagcatg caaagacaag agctgtgaac atgaagggtgt gtccatgaga      360
tgaaaagacc agttgtgttt tggggctgga ggggaatattt cctctgtatt cttttagaaa      420
gagcactgag agaggtagca gacagtgtca ttgtgacagc gtccatgtga aaa           473
  
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<210> 3

<211> 375

<212> DNA

<213> Homo sapiens

<400> 3

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cgctgcgccct gcgcgctcgg cacacgcccc gcgcgcaccc cggtcacctg cacaaggcgc      60
  
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HYS-38CIP sequence listing

gcgacggccc ttgcgagttc gctcctgtgg tcgtcgttcc tccccgaagt gttcacaacg	120
tcaccggggc gcaggtgggc ctgtcctgtg aagtgagggc tgtgcctacc ccagtcatca	180
cgtggagaaa ggtcacgaag tcccctgagg gcacccaagc actggaggag ctgcctgggg	240
accatgtcaa tatagtctgtc caagtgcgag ggggcccttc tgaccatgag gccacggcct	300
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acatggtggg agagg	375

<210> 4
 <211> 1250
 <212> DNA
 <213> Homo sapiens

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tgctgccgct gctgccgccg ctgtccccga gccttgggat ccgcgacgtg ggcggtcggc	180
gccccaaagt tggctcgtgc cggccagagg gctgcccggc gcctgcgccc tgcccggcgc	240
ccgggatctc ggcgctcgac gagtgcggct gctgcgcccg ctgcctggga gccgagggcg	300
cgagctgcgg gggccgcgcc ggcgggcgct gtggccccgg cctggatatgc gcgagccagg	360
ccgctggggc agcgcgcgag ggcaccgggc tctgcgtgtg cgcgacgcgc ggcaccgtct	420
gcggctccga cggctgctcg taccacagcg tctgcgcgct gcgcctgcgc gctcggcaca	480
cgccccgcgc gcaccccgt cacctgcaca aggcgcgcga cggcccttgc gagttcgttc	540
ctatcactcg tttttataac tgctttcctc agccgttaat tcacaggcaa ttctctttgt	600
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aggaggagga ggaggagggg gaggaggaga aggaagaaga aggatgcaaa agcaatttcc	720
aacacaccat taactttaaa gaaatctcag agggatttgg gaagattttt tcattccagc	780
catcaatgat cgatataatt gacgaggcct ctacactgca cgttgccccaa cagctgtgg	840
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cccgaagtgt tcacaacgtc accggggcgc aggtgggcct gtcctgtgaa gtgagggctg	960
tgctacccc agtcatcacg tggagaaagg tcacgaagtc ccctgagggc acccaagcac	1020
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accatgaggc cagggcctgg attttggtgt cagacctgca tcattgtctg aaggctctcc	1140
ccacctactc ctactccagc accctttctc cttcacaggt gtttctccta atacatctct	1200

HYS-38CIP sequence listing

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<210> 5

<211> 1009

<212> DNA

<213> Homo sapiens

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<222> (79)..(915)

<223>

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Met Pro Arg Leu Ser Leu Leu Leu Pro Leu Leu
1 5 10

ctt ctg ctg ctg ctg ccg ctg ctg ccg ccg ctg tcc ccg agc ctc ggg 159
Leu Leu Leu Leu Leu Pro Leu Leu Pro Pro Leu Ser Pro Ser Leu Gly
15 20 25

atc cgc gac gtg ggc ggc cgg cgc ccc aag tgt ggt ccg tgc cgg cca 207
Ile Arg Asp Val Gly Gly Arg Arg Pro Lys Cys Gly Pro Cys Arg Pro
30 35 40

gag ggc tgc ccg gcg cct gcg ccc tgc ccg gcg ccc ggg atc tcg gcg 255
Glu Gly Cys Pro Ala Pro Ala Pro Cys Pro Ala Pro Gly Ile Ser Ala
45 50 55

ctc gac gag tgc ggc tgc tgc gcc cgc tgc ctg gga gcc gag ggc gcg 303
Leu Asp Glu Cys Gly Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala
60 65 70 75

agc tgc ggg ggc cgc gcc ggc ggg cgc tgt ggc ccc ggc ctg gta tgc 351
Ser Cys Gly Gly Arg Ala Gly Gly Arg Cys Gly Pro Gly Leu Val Cys
80 85 90

gcg agc cag gcc gct ggg gca gcg ccc gag ggc acc ggg ctc tgc gtg 399
Ala Ser Gln Ala Ala Gly Ala Ala Pro Glu Gly Thr Gly Leu Cys Val
95 100 105

tgc gcg cag cgc ggc acc gtc tgc ggc tcc gac ggt cgc tcg tac ccc 447
Cys Ala Gln Arg Gly Thr Val Cys Gly Ser Asp Gly Arg Ser Tyr Pro
110 115 120

agc gtc tgc gcg ctg cgc ctg cgc gct cgg cac acg ccc cgc gcg cac 495
Ser Val Cys Ala Leu Arg Leu Arg Ala Arg His Thr Pro Arg Ala His
125 130 135

[illegible]

gtg gtc gtc gtt cct ccc cga agt gtt cac aac gtc acc ggg gcg cag 591
Val Val Val Val Pro Pro Arg Ser Val His Asn Val Thr Gly Ala Gln
160 165 170

tgg aga aag gtc acg aag tcc cct gag ggc acc caa gca ctg gag gag 687
 Trp Arg Lys Val Thr Lys Ser Pro Glu Gly Thr Gln Ala Leu Glu Glu
 190 195 200

tct gac cat gag gcc acg gcc tgg att ttg atc aac ccc ctg cga aag 783
Ser Asp His Glu Ala Thr Ala Trp Ile Leu Ile Asn Pro Leu Arg Lys
220 225 230 235

gct gag tcc cac agc aca gtg acg gtt cta gat ctg agt aaa tac agg 879
Ala Glu Ser His Ser Thr Val Thr Val Leu Asp Leu Ser Lys Tyr Arg
255 260 265

agc ttc cac ttc cca gct ccc gat gac cgc atg tga tggagaaatg 925
 Ser Phe His Phe Pro Ala Pro Asp Asp Arg Met
 270 275

tataagacct gtaaaaaaaaaa aaaa 1009

<211> 278

<212> PRT

<213> Homo sapiens

<400> 6

Met Pro Arg Leu Ser Leu Leu Leu Pro Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Leu Leu Pro Leu Ser Pro Ser Leu Gly Ile Arg Asp Val Gly
20 25 30

Gly Arg Arg Pro Lys Cys Gly Pro Cys Arg Pro Glu Gly Cys Pro Ala
35 40 45

[A large black circle obscures the central portion of the page.]

Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala Ser Cys Gly Gly Arg
65 70 75 80

Gly Ala Ala Pro Glu Gly Thr Gly Leu Cys Val Cys Ala Gln Arg Gly
100 105 110

Arg Leu Arg Ala Arg His Thr Pro Arg Ala His Pro Gly His Leu His
130 135 140

Pro Arg Ser Val His Asn Val Thr Gly Ala Gln Val Gly Leu Ser Cys
165 170 175

Lys Ser Pro Glu Gly Thr Gln Ala Leu Glu Glu Leu Pro Gly Asp His
195 200 205

Thr Ala Trp Ile Leu Ile Asn Pro Leu Arg Lys Glu Asp Glu Gly Val
225 230 235 240

Thr Val Thr Val Leu Asp Leu Ser Lys Tyr Arg Ser Phe His Phe Pro
260 265 270

<210> 7

HYS-38CIP sequence listing

<211> 837

<212> DNA

<213> Homo sapiens

<400> 7

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tgccggccag agggctgccc ggcgcctgcg ccctgcccgg cgcccgggat ctggcgctc      180
gacgagtgcg gctgctgcgc ccgctgcctg ggagccgagg gcgcgagctg cggggggccgc      240
gccggcgggc gctgtggccc cggcctggta tgcgcgagcc aggccgctgg ggcagcgccc      300
gagggcaccg ggctctgcgt gtgcgcgcag cgcggcaccg tctgcggctc cgacggctgc      360
tcgtacccca gcgtctgcgc gctgcgcctg cgcgctcggc acacgccccg cgcgcacccc      420
ggtcacctgc acaaggcgcg cgacggccct tgcgagttcg ctctgtggt cgtcgttcct      480
ccccgaagtg ttcacaacgt caccggggcg caggtgggccc tgcctgtga agtgagggct      540
gtgcctaccc cagtcatcac gtggagaaag gtcacgaagt cccctgaggg cacccaagca      600
ctggaggagc tgcctgggga ccatgtcaat atagctgtcc aagtgcgagg gggcccttct      660
gaccatgagg ccacggcctg gattttgatc aaccccctgc gaaaggagga tgagggtgtg      720
taccagtgcc atgcagccaa catggtggga gaggctgagt cccacagcac agtgacggtt      780
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<210> 8

<211> 16

<212> PRT

<213> Homo sapiens

<400> 8

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<210> 9

<211> 27

<212> PRT

<213> Homo sapiens

HYS-38CIP sequence listing

Trp Arg Lys Val Thr Lys Ser Pro Glu Gly Thr Gln Ala Leu Glu Glu
165 170 175

Leu Pro Gly Asp His Val Asn Ile Ala Val Gln Val Arg Gly Gly Pro
180 185 190

Ser Asp His Glu Ala Thr Ala Trp Ile Leu Ile Asn Pro Leu Arg Lys
195 200 205

Glu Asp Glu Gly Val Tyr Gln Cys His Ala Ala Asn Met Val Gly Glu
210 215 220

Ala Glu Ser His Ser Thr Val Thr val Leu Asp Leu Ser Lys Tyr Arg
225 230 235 240

Ser Phe His Phe Pro Ala Pro Asp Asp Arg Met
245 250

<210> 11

<211> 103

<212> PRT

<213> Homo sapiens

<400> 11

Ala Arg Asp Gly Pro Cys Glu Phe Ala Pro Val Val Val Val Pro Pro
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Arg Ser Val His Asn Val Thr Gly Ala Gln Val Gly Leu Ser Cys Glu
20 25 30

Val Arg Ala Val Pro Thr Pro Val Ile Thr Trp Arg Lys Val Thr Lys
35 40 45

Ser Pro Glu Gly Thr Gln Ala Leu Glu Glu Leu Pro Gly Asp His Val
50 55 60

Asn Ile Ala Val Gln Val Arg Gly Gly Pro Ser Asp His Glu Ala Thr
65 70 75 80

Ala Trp Ile Leu Ile Asn Pro Leu Arg Lys Glu Asp Glu Gly Val Tyr
85 90 95

Gln Cys His Ala Ala Asn Met
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HYS-38CIP sequence listing

<210> 12

<211> 390

<212> PRT

<213> Homo sapiens

<400> 12

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20 25 30

Gly Arg Arg Pro Lys Cys Gly Pro Cys Arg Pro Glu Gly Cys Pro Ala
35 40 45

Pro Ala Pro Cys Pro Ala Pro Gly Ile Ser Ala Leu Asp Glu Cys Gly
50 55 60

Cys Cys Ala Arg Cys Leu Gly Ala Glu Gly Ala Ser Cys Gly Gly Arg
65 70 75 80

Ala Gly Gly Arg Cys Gly Pro Gly Leu Val Cys Ala Ser Gln Ala Ala
85 90 95

Gly Ala Ala Pro Glu Gly Thr Gly Leu Cys Val Cys Ala Gln Arg Gly
100 105 110

Thr Val Cys Gly Ser Asp Gly Arg Ser Tyr Pro Ser Val Cys Ala Leu
115 120 125

Arg Leu Arg Ala Arg His Thr Pro Arg Ala His Pro Gly His Leu His
130 135 140

Lys Ala Arg Asp Gly Pro Cys Glu Phe Val Pro Ile Thr Arg Phe Tyr
145 150 155 160

Asn Cys Phe Pro Gln Pro Leu Ile His Arg Gln Phe Ser Leu Ser Pro
165 170 175

Asp Arg Arg Gln Ser Glu Thr Leu Ser Lys Lys Lys Lys Lys Lys Glu
180 185 190

Glu Glu Glu Glu Glu Glu Glu Glu Gly Glu Glu Glu Lys Glu Glu Glu
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HYS-38CIP sequence listing
195 200 205

Gly Cys Lys Ser Asn Phe Gln His Thr Ile Asn Phe Lys Glu Ile Ser
210 215 220

Glu Gly Phe Gly Lys Ile Phe Ser Phe Gln Pro Ser Met Ile Asp Ile
225 230 235 240

Ile Asp Glu Ala Ser Thr Leu His Val Ala Gln His Ala Val Val Leu
245 250 255

Asp Ala Arg Val Ala Glu Leu Leu Ser Asn Ala Ala Pro Val Val Val
260 265 270

Val Pro Pro Arg Ser Val His Asn Val Thr Gly Ala Gln Val Gly Leu
275 280 285

Ser Cys Glu Val Arg Ala Val Pro Thr Pro Val Ile Thr Trp Arg Lys
290 295 300

Val Thr Lys Ser Pro Glu Gly Thr Gln Ala Leu Glu Glu Leu Pro Gly
305 310 315 320

Asp His Val Asn Ile Ala Val Gln Val Arg Gly Gly Pro Ser Asp His
325 330 335

Glu Ala Thr Ala Trp Ile Leu Val Ser Asp Leu His His Cys Leu Lys
340 345 350

Ala Leu Pro Thr Tyr Ser Tyr Ser Ser Thr Leu Ser Pro Ser Gln Val
355 360 365

Phe Leu Leu Ile His Leu Leu His Ile Gly Pro Tyr Pro Gly Ala Cys
370 375 380

Ile Leu Glu Ala Pro Pro
385 390

<210> 13

<211> 268

<212> PRT

<213> Mus musculus

<400> 13

HYS-38CIP sequence listing

Met Pro Arg Leu Pro Leu Leu Leu Leu Leu Leu Pro Ser Leu Ala Arg
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Gly Leu Gly Leu Arg Asp Ala Gly Arg Arg His Pro Glu Cys Ser Pro
20 25 30

Cys Gln Gln Asp Arg Cys Pro Ala Pro Ser Pro Cys Pro Ala Pro Trp
35 40 45

Ile Ser Ala Arg Asp Glu Cys Gly Cys Cys Ala Arg Cys Leu Gly Ala
50 55 60

Glu Gly Ala Ser Cys Gly Gly Pro Val Gly Ser Arg Cys Gly Pro Gly
65 70 75 80

Leu Val Cys Ala Ser Arg Ala Ser Gly Thr Ala Pro Glu Gly Thr Gly
85 90 95

Leu Cys Val Cys Ala Gln Arg Gly Ala Val Cys Gly Ser Asp Gly Arg
100 105 110

Ser Tyr Ser Ser Ile Cys Ala Leu Arg Leu Arg Ala Arg His Ala Pro
115 120 125

Arg Ala His His Gly His Leu His Lys Ala Arg Asp Gly Pro Cys Glu
130 135 140

Phe Ala Pro Val Val Leu Met Pro Pro Arg Asp Ile His Asn Val Thr
145 150 155 160

Gly Thr Gln Val Phe Leu Ser Cys Glu Val Lys Ala Val Pro Thr Pro
165 170 175

Val Ile Thr Trp Lys Lys Val Lys His Ser Pro Glu Gly Thr Glu Gly
180 185 190

Leu Glu Glu Leu Pro Gly Asp His Val Asn Ile Ala Val Gln Val Arg
195 200 205

Gly Gly Pro Ser Asp His Glu Thr Thr Ser Trp Ile Leu Ile Asn Pro
210 215 220

Leu Arg Lys Glu Asp Glu Gly Val Tyr His Cys His Ala Ala Asn Ala
225 230 235 240

Ile Gly Glu Ala Gln Ser His Gly Thr Val Thr Val Leu Asp Leu Asn
245 250 255

HYS-38CIP sequence listing

Arg Tyr Lys Ser Leu Tyr Ser Ser Val Pro Gly Asp
260 265

<210> 14

<211> 264

<212> PRT

<213> Homo sapiens

<400> 14

Pro Ser Leu Arg Ala Leu Leu Leu Gly Ala Ala Gly Leu Leu Leu Leu
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20 25 30

Glu Pro Ala Ser Cys Pro Pro Leu Pro Pro Leu Gly Cys Leu Leu Gly
35 40 45

Glu Thr Arg Asp Ala Cys Gly Cys Cys Pro Met Cys Ala Arg Gly Glu
50 55 60

Gly Glu Pro Cys Gly Gly Gly Gly Ala Gly Arg Gly Tyr Cys Ala Pro
65 70 75 80

Gly Met Glu Cys Val Lys Ser Arg Lys Arg Arg Lys Gly Lys Ala Gly
85 90 95

Ala Ala Ala Gly Gly Pro Gly Val Ser Gly Val Cys Val Cys Lys Ser
100 105 110

Arg Tyr Pro Val Cys Gly Ser Asp Gly Thr Thr Tyr Pro Ser Gly Cys
115 120 125

Gln Leu Arg Ala Ala Ser Gln Arg Ala Glu Ser Arg Gly Glu Lys Ala
130 135 140

Ile Thr Gln Val Ser Lys Gly Thr Cys Glu Gln Gly Pro Ser Ile Val
145 150 155 160

Thr Pro Pro Lys Asp Ile Trp Asn Val Thr Gly Ala Gln Val Tyr Leu
165 170 175

Ser Cys Glu Val Ile Gly Ile Pro Thr Pro Val Leu Ile Trp Asn Lys
180 185 190

HYS-38CIP sequence listing

Val Lys Arg Gly His Tyr Gly Val Gln Arg Thr Glu Leu Leu Pro Gly
 195 200 205

Asp Arg Asp Asn Leu Ala Ile Gln Thr Arg Gly Gly Pro Glu Lys His
 210 215 220

Glu Val Thr Gly Trp Val Leu Val Ser Pro Leu Ser Lys Glu Asp Ala
 225 230 235 240

Gly Glu Tyr Glu Cys His Ala Ser Asn Phe Gln Gly Gln Ala Ser Ala
 245 250 255

Ser Ala Lys Ile Thr Val Val Asp
 260